

TRAFFIC ENGINEER

DISTINGUISHING FEATURES

The fundamental reason the Traffic Engineer exists to perform highly technical professional engineering work for the Transportation Department. This classification does not supervise. Work is performed with considerable independence and judgment through management by the Principal Traffic Engineer. Traffic Engineer is distinguished from the Traffic Engineering Analyst by a possession of a Professional Engineers License and number of years of experience.

ESSENTIAL FUNCTIONS

Studies and analyzes major operational traffic issues and recommends innovative solutions. Must be able to translate technical material into a language easily understood by the public. Provides major assistance to the on-going development and implementation of the neighborhood traffic management program. This program provides a direct response and process for citizens to follow regarding obtrusive traffic in their neighborhood. Must be able to quickly determine whether or not a problem is a neighborhood or network issue.

Assists in the traffic impact and mitigation analysis process (TIMA). Coordinates and collaborates with the Planning Department and the Citizen and Neighborhood Resources Department as part of the plan review and development processes.

Assists in the distribution to traffic engineering staff changes in national traffic engineering standards, changes in local standards, and shifts in citizen attitudes. May conduct in-depth traffic impact analyses.

Works closely with professional engineers and technical engineering staff from other City departments, as well as the City Council and Transportation Commission. Makes presentations and represents the City in public and Transportation Commission on matters relating to Traffic Engineering.

Responds to citizen requests for traffic signal warrant studies, speed limit studies, left-turn warrant studies and other studies relating to traffic flow and congestion. Undertakes accident analyses, capacity improvement project reviews, traffic control planning, school traffic safety and policy planning efforts.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities

Knowledge of:

- Principles, practices, and methods used in traffic engineering.
- Development related issues.
- Federal, State, and local traffic laws, and regulations.

Ability to:

- Operate a variety of standard office equipment, including a personal computer that requires continuous and repetitive eye, arm or hand movement.
- Communicate clearly and directly with a variety of stakeholders
- Manage projects.
- Lead team activities.

Manage a team of highly skilled technical employees
Organize and conduct traffic surveys, analyze results, and make recommendations on traffic problems
Read maps and plans
Comprehend and make inferences from written materials
Deal effectively with community-oriented issues
Establish and maintain effective working relationships with co-workers, supervisors, City officials, and the general public
Maintain regular attendance and punctuality.

Education & Experience

A Bachelor's degree in Traffic Engineering, Civil Engineering or a closely related field; possession of a Professional Engineering license and one year of relevant experience required. Must possess a valid Arizona's driver's license without any major violations in the last 39 months.

FLSA Status: Exempt

HR Ordinance Status: Unclassified